

It is a honor for me to be nominated as a candidate for Chair Elect of the Division 6 of the International Society of Electrochemistry. I have been a member of Division 6 of the ISE since 2012 and since then I attended many ISE and ISE-sponsored meetings devoted to molecular electrochemistry where I have met plenty of nice people and inspiring scientists from all continents. Especially, I appreciate the valuable role of the ISE in the effort to interconnect electrochemical community and support collaboration across disciplines and generations.

If elected, I would like to contribute to the significance of Division 6 in the frame of other ISE divisions because Molecular electrochemistry as fundamental research dealing experimentally with the principles of chemical transformations on (sub)molecular level represents in fact the starting point for any future application. In particular, I would like to support scientific meetings on following themes: investigation of new reaction mechanisms and pathways in electrosynthesis, electrocatalysis and electroanalysis; reveal fundamental redox properties of new compounds (drugs, catalyzers, dyes, molecular machines and wires for molecular electronics, photosensitive molecules for light conversion etc.). Combination of electrochemical experiments with UV-vis / EPR spectra and theoretical calculations enables to reveal distribution of electron density within a molecule, and, consequently, extent of electron delocalization, geometry of the molecule and related reactivity. Simply, the Division 6 should support electrochemical investigation of organic, organometallic and coordination compounds in solution, and also their possible interaction with light (photoredox catalysis, redox properties of excited states, electrochemically generated luminescence, etc.). Furthermore, it is important to look for new electrosynthetic reaction pathways which offer environmentally friendly alternatives to classic synthesis. Last but not least, I would like to encourage young electrochemists to international collaboration, supporting their participation at meetings (co)organized by the Division 6.